

Abstract

Valve Assembly for Pressurized Fluid Vessel

5 A valve assembly for a pressurized fluid vessel such as a propane tank has a housing defining a main fluid passageway therebetween with a valve seat (734) defined in the main passageway, a main valve member (742) movable against the valve seat (734) to block the passageway, an insert (738) defining an internal chamber within the interior of the housing within which the main valve member (742) is disposed, a secondary fluid flow passageway through the insert (738), through a conduit (748) connected to the main valve body, and through openings (751) in an end of the conduit (748) facing second ports opening into the vessel, and a secondary valve member (760) movable to block the openings (751) under the action of a float (721) on a predetermined fluid level being reached, thereby exposing the main valve member (742) to a pressure differential to close the valve.

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